



Event

MPTS AJET NFR 4201 T-45

Mission

**NIGHT FORMATION SOLO
1.3 HOURS/X**



ORM



NFR 4201

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
 - **CREW REST/ CREW DAY / WORK WEEK**
 - **WARM-UP ELIGIBILITY**
 - **PREVIOUS FLIGHT COMPLETE?**
 - **IP CURRENCY**
 - **READ AND INITIAL**

- **HUMAN FACTORS**
 - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
 - **MEDICAL STATUS**
 - **CREW DAY**
 - **CREW REST**
 - **NOURISHMENT**
 - **HYDRATION**

- **HAZARDS AND CONTROLS**
 - **ROUTINE**
 - **WEATHER**
 - **CURRENT OBSERVATIONS AND FORECASTS**
 - **CROSSWINDS**
 - **FUEL CONSIDERATIONS**



NFR 4201

TTO



- **WHO WILL CALL A TTO?**
- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
 - **SAFETY**
 - **CONFUSION**
 - **MISUNDERSTANDING**
- **IP RESPONSIBILITIES**
 - **RECOGNIZE THE NEED FOR A TTO**
 - **EXPLANATION / INSTRUCTION AS NECESSARY**
 - **DOCUMENTATION ON ATF**
- **WHEN AND HOW WILL TRAINING RESUME?**



SSR/DISCUSS ITEMS



NFR 4201

- **SPECIAL SYLLABUS REQUIRMENTS:**
 - NONE
- **PREREQUISITES:**
 - NFR 4102
 - A DAY OR NIGHT FRONT SEAT LANDING WITHING THE PREVIOUS THREE DAYS IS A PREREQUISITE FOR A NIGHT SOLO FLIGHT.
- **DISCUSS ITEMS:**

NFR 4201

 - NATOPS/SOP/EP QOD, AND NIGHT BINGO PROCEDURES.



SYLLABUS NOTES



NFR 4201

- A. THIS EVENT WILL BE FLOWN FROM THE FRONT COCKPIT.**
- B. NIGHT FLIGHTS SHALL TAKE OFF NO EARLIER THAN 30 MINUTES AFTER OFFICIAL SUNSET.**
- C. ALL MANEUVERS EXCEPT LANDINGS SHALL BE GRADED BY THE FLIGHT LEAD.**
- D. RUNNING RENDEZVOUS WILL BE DONE AT ALTITUDE.**
- E. SECTION APPROACH MAY BE SIMULATED AT ALTITUDE.**
- F. SECTION BREAK IS DESIRED WEATHER PERMITTING, BUT IS NOT REQUIRED.**



ADMIN (CARD)



NFR 4201

- **A/C - ATC C/S - CREW**
- **BRIEF / WALK / TAKEOFF / LAND TIMES**
- **ATC CLEARANCE / DD-175**
- **FUEL PLAN/LADDER**
- **LINE / T/O / ABORT / RPM**
- **COMM PLAN**
- **NAV PLAN**



ADMIN



NFR 4201

- **LAUNCH**
 - **WEATHER / NOTAMS / TFR / BASH**
 - **PREFLIGHT / START / TAXI**
 - **ITO**
 - **SWAPPING OF CONTROLS**
 - **ENROUTE PROCEDURES**
 - **RADALT USAGE**

- **RTB**
 - **RECOVERY**
 - **DIVERTS**



CONDUCT



NFR 4201

- **TIMS RESUME REVIEW**
- **PRACTICE:**
 - **CHECKLISTS/COMM/GROUND OPS**
 - **TAKEOFF/DEPARTURE/FLIGHT ADMIN**
 - **TAKEOFF**
 - **DEPARTURE**
 - **NIGHT TACAN RENDEZVOUS**
 - **PARADE**
 - **CROSSUNDER**
 - **NIGHT LEAD CHANGE**
 - **NIGHT BREAKUP/CV RENDEZVOUS**
 - **NIGHT UNDERRUN**
 - **NIGHT RUNNING RENDEZVOUS**
 - **SECTION APPROACH**
 - **SECTION MISSED APPROACH**
 - **DESCENT/FIELD ENTRY**
 - **SECTION BREAK**
 - **VFR LANDING PATTERN**
 - **LANDING/TOUCH-AND-GO**



NFR 4201

BLOCK MIF



CTS REF	MANEUVER	NFR4201
1	General Knowledge/Procedures	4+
2	Emergency Procedures	4+
3	Headwork/Situational Awareness	4+
4	Basic Airwork	4+
5	Mission Planning/Briefing/Debriefing	4+
6	Communications	4+
7	Ground Operations	4+
8	Flight Admin	4+
10	Takeoff	4+
11	Departure	4+
32	Night TACAN Rendezvous	3+
32	Parade	3+
32	Crossunder	3+
32	Night Lead Change	3+
32	Night Breakup/CV Rendezvous	3+
32	Night Underrun	3
32	Night Running Rendezvous	3+
33	Section Approach	3+
33	Section Missed Approach	3+
13	Descent/Field Entry	4+
32	Section Break	3+
22	VFR Landing Pattern	1+
23	Landing/Touch-and-Go	1+



Emergencies



NFR 4201

- **AIRCRAFT FALLOUT**
- **CLEAR ENGINE PROCEDURE**
- **ABORTED TAKEOFF**
- **RWY DEP / LOSS OF DIRECTIONAL CONTROL**
- **SYSTEM FAILURES/ EPs / CRM**
- **BIRD STRIKE/ MIDAIR**
- **RADIO/ ICS FAILURE**
- **LOSS OF NAVAIDS / LOST PLANE**
- **INADVERTENT IMC / LOST SIGHT / LCLS**
- **DISORIENTATION / VERTIGO**
- **HYPOXIA**
- **EJECTION (HIGH / LOW / GROUND)**
- **SAR / ON SCENE COMMANDER**
- **DIVERT(S) / BINGO FUEL TO DIVERT**